

AMENDMENTS TO THE CLAIMS

1. (currently amended) A linear motor comprising:

an outer case;

*on?*

*of*

a stator installed *^* (at) an inner side the outer case and having

a first and a second armature coil parts, said the first armature coil part of the stator having an *annular* ~~annular~~ shape complementarily fittable within the outer case, and said the second armature coil part of the stator being assembled in the outer case in a perpendicular direction to the first armature coil part;

a rotor including a first, second and third shafts wherein the second shaft forms a predetermined interval between the first and third shafts *so as* *^* to be coaxial with the first and the second armature coil parts of the stator;

a first permanent magnet rotor part having a plurality of cylindrically shaped permanent magnets arranged on the first shaft for linear movement of the rotor; and

a second permanent magnet rotor part having a plurality of elongated permanent magnets assembled coaxially along and around on an outer circumferential surface of the third shaft, wherein the N pole, S pole of the second permanent magnet are arranged on an outer circumferential surface of the third shaft in the vertical direction in a rotation movement zone for rotation of the rotor.

2. (cancelled)